CLIXO
Classroom

Angles (Grades 1–2)

Activity Guide

Online Activity Page

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Overview

Explore the fascinating world of geometry through interactive teaching of angles with Clixo! This engaging activity combines creativity and mathematics, using flexible, colorful Clixo pieces to construct and visualize angles. Students learn geometric concepts in a hands–on way, making angles come to life through this innovative and enjoyable teaching tool.

Materials for Each Student

- Clixo pieces: longy, two–dot, three–dot, and quads.
- A protractor or a ruler.
- Pencil and page
- Reference images of angles in every–day life.

Ages

1–2nd Grade

Duration

15–20 mins

Skills

- STEAM
- Math
- Spatial awareness
- Physics



Introduce

- Introduce the concept of angles to the students in a fun and engaging way. You can use pictures of different angles in everyday objects, such as a pizza slice or a triangle sandwich, and ask the students to identify the angles they see.



Build & Create

- Give each student a small set of Clixo pieces.
- Ask the students to use the Clixo pieces to create different types of angles, such as right angles, acute angles, and obtuse angles.
- Once the students have created the angles, encourage them to measure the angles using a protractor or a ruler.
- Ask students to trace the angles they created onto a page.



Share & Reflect

- Ask the students to share their angles with the class and discuss the properties of each angle.
- Ask the students to reflect on what they learned during the activity and how they can apply this knowledge in real life situations.
- You can also encourage the students to continue exploring angles using Clixo and other construction toys.



Tips

- ✓ Encourage students to work together and share their ideas with one another.
- ✓ You can guide the students by showing them examples of different angles and how they can be created using the Clixo pieces.

Educational Standards

CCSS MATHEMATICS

CCSS.MATH.CONTENT.1.G.A.1
Distinguish between defining attributes (e.g., triangles are closed and three-sided) versus non-defining attributes (e.g., color, orientation, overall size).

CCSS.MATH.CONTENT.2.G.A.1
Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces. Identify triangles, quadrilaterals, pentagons, hexagons, and cubes.

ISTE STANDARDS FOR STUDENTS

1.4.d
Exhibit a tolerance for ambiguity, perseverance and the capacity to work with open-ended problems.

1.7.c
Contribute constructively to project teams, assuming various roles and responsibilities to work effectively toward a common goal.